



500.38090X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Takayoshi WATANABE et al.

Serial No.: 09/462,796

Filed: January 13, 2000

For: METHOD FOR PRODUCING A SEMICONDUCTOR DEVICE  
WITH PYRAMIDAL BUMP ELECTRODES BONDED ONTO  
PAD ELECTRODES ARRANGED ON A SEMICONDUCTOR  
CHIP

Group: 2813

Examiner: T. Nguyen

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 16, 2004

Sir:

In the matter of the above-identified application, Applicants are submitting herewith a communication from a foreign patent office in a counterpart foreign application and copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of either a final action or a notice of allowance and is accompanied by the following certification specified in 37 CFR §1.97(e)

On information and belief, I hereby certify that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

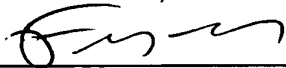
To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR §1.98(a)(3) for a concise explanation of the relevance is satisfied by an English-language abstract attached thereto and an English language version or translation of the foreign patent office report citing the documents.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

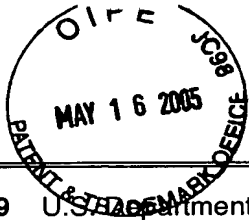
Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Mattingly, Stanger & Malur, Deposit Account No. 50-1417 (referencing attorney docket no. 500.38090X00) please credit any excess fees to such deposit account.

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

  
\_\_\_\_\_  
Frederick D. Bailey  
Registration No. 42,282

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(703) 312-6600

SHEET 1 OF 1

<b>FORM PTO-1449</b> U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>500.38090X00</b>	SERIAL NO. <b>09/462,796</b>
	APPLICANT <b>Takayoshi WATANABE et al.</b>	
	FILING DATE <b>January 13, 2000</b>	GROUP <b>2813</b>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
	JP 09-172021 A	06-1997	Japan				
	JP 09-017794 A	01-1997	Japan				
	JP 10-163251 A	06-1998	Japan				
	EP 0 479 373 A1	04-1992	Europe				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**MAY 16 2005**

SERIAL NO.  
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**WATANABE et al.**

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[illegible][illegible]


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**2813**

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
		YES	NO											
	0	9	1	1	5	9	1	3	05/1997	Japan (and English Abstract)	H01L	21/321		X
	0	8	1	4	8	4	9	1	06/1996	Japan (and English Abstract)	H01L	21/321		X
	0	4	1	6	4	3	4	2	06/1992	Japan (and English Abstract)	H01L	21/60		X
	6	4	0	8	1	3	4	4	03/1989	Japan (and English Abstract)	H01L	21/92		X
	5	7	2	0	7	3	6	2	12/1982	Japan (and English Abstract)	H01L	27/14		X

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


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